

### What is claimed is:

1. A method for safely encrypting transmission data, wherein an access device is connected to the subscriber's end of a network, a series number (S / N) in the access device is used as an encrypting key for encrypting data from said network so that the encrypting data is only downloaded by an access device having said series number, while other users without connecting to said access device can not use said encrypting data.

2. The method for safely encrypting transmission data as claimed in claim 1, wherein said access device is a network connecting device for data transmission used in a network, said access device serves to download data from a network or upload data to a network for being used by specific users.

3. The method for safely encrypting transmission data as claimed in claim 1, wherein said method is used in playing of MP3 music, the user at first inputs required data and series number; by a servo, data of a music in a database is downloaded and then is encrypted; then said data is transferred back to said user; then, said user downloads said data to an MP3 player for playing said music.

4. The method for safely encrypting transmission data as claimed in claim 1, wherein said method is used in the playing of an electronic book, the user at first inputs required data and series number; by a servo, data of an electronic book in a database is downloaded and then is encrypted; then said data is transferred back to said user; then, said user downloads said data to an electronic book player for playing contents in said electronic book.

5. A method for safely encrypting transmission data comprising steps of:

connecting to a network through an accessing device and then further connecting to a servo;

inputting a series number of said access device as an encrypting key;

downloading required data from said network and then encrypting said data according to said encrypting key; and then transferring the encrypted data to a user;

transferring the encrypted data to an access device of the user; and

receiving said encrypted data by said access device and then decrypting said received encrypted data for being used;

wherein in above steps, said data transferred in said network is encrypted, and said encrypted data is decrypted by a access device assigned by said series number.

6. The method for safely encrypting transmission data as claimed in claim 5, wherein said access device is a network connecting device for data transmission used in a network, said access device serves to download data from a network or upload data to a network for being used by specific users.

7. A method for safely encrypting transmission data used in playing MP3 music through a network; by connecting through an access device, said series number of said access device being used as an encrypting key for decrypting said encrypting data; wherein the user at first inputs required data and a series number; by a servo of a network, data of a music in a database is downloaded and then is encrypted; then said data is transferred back to said user; then, said user downloads said data to an MP3 player for playing said music.

8. The method for safely encrypting transmission data as claimed in claim 7, wherein said access device is a network connecting device for data transmission used in a network, said access device serves to download data from a network or upload data to a network for being used by specific users.

9. A method for safely encrypting transmission data used in playing contents of an electronic book through a network; by connecting through an access device, said series number of said access device being used as an encrypting key for decrypting said encrypting data; wherein the user at first inputs required data and a series number; by a servo of a network, data of an electronic book in a database is

downloaded and then is encrypted; then said data is transferred back to said user; then, said user downloads said data to an electronic book player for playing contents of said electronic book.

- 5      10. The method for safely encrypting transmission data as claimed in claim 9, wherein said access device is a network connecting device for data transmission used in a network, said access device serves to download data from a network or upload data to a network for being used by specific users.

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